



1999 Toxics Release Inventory

ALASKA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	1,671,982	431,345,799	433,017,781
Air Emissions	1,577,023	1,045,319	2,622,342
Surface Water Discharges	94,126	2,096	96,222
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	256	34,946,000	34,946,256
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	577	395,352,384	395,352,961
Off-site Releases (Transfers Off-site to Disposal)*	0	5	5
Total On- and Off-site Releases	1,671,982	431,345,804	433,017,786
Recycled On-site	201,583	773,687	975,270
Recycled Off-site	1,600	49,921	51,521
Energy Recovery On-site	450,000	0	450,000
Energy Recovery Off-site	79	998	1,077
Treated On-site	1,598,431	50,858	1,649,289
Treated Off-site**	739	9,386	10,125
Quantity Released On- and Off-site***	1,595,467	426,498,573	428,094,040
Total Production-related Waste Managed	3,847,899	427,383,423	431,231,322
Total Non-production-related Waste Managed	21,132	37	21,169

Transfers Off-site for Further Waste Management/Disposal

Recycling	1,600	49,921	51,521
Energy Recovery	79	937	1,016
Treatment	657	119	776
Publicly Owned Treatment Works (POTWs)	1	10	11
Metals and Metal Compounds*	0	0	0
Non-metal TRI Chemicals**	1	10	11
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	0	5	5
Total Transfers Off-site for Further Waste Management/Disposal	2,337	50,992	53,329

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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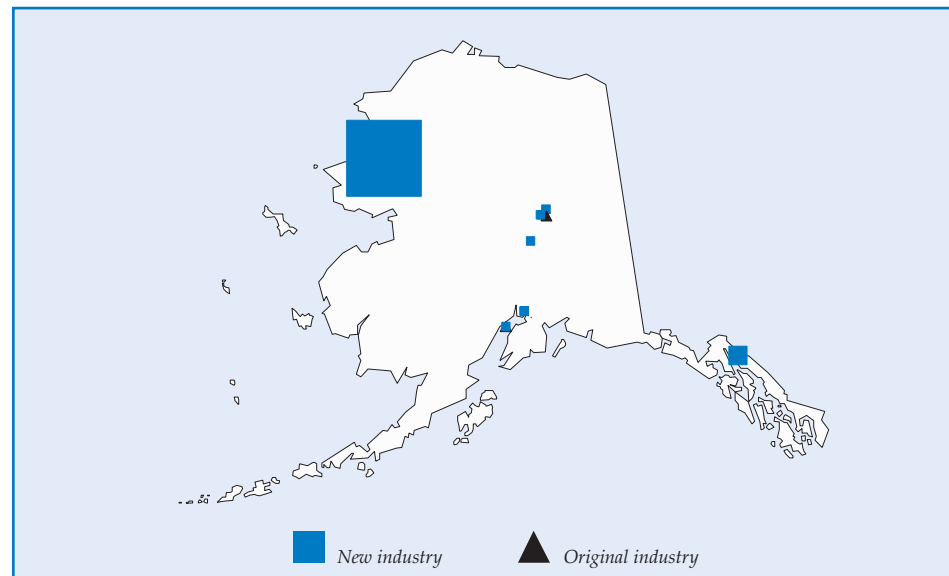
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To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):

(202) 260-1531

Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Alaska. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	619,500
Square Miles	570,374
Total Facilities	16
Total Forms	104
Form As	16

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	48	4	4
Pounds	1,671,982	431,345,804	433,017,786
National Rank for Total On-site Releases**			
Rank	48	4	4
Pounds	1,671,982	431,345,799	433,017,781
National Rank for Total Releases within State***			
Rank	48	4	4
Pounds	1,671,994	431,345,799	433,017,793
National Rank for Production-related Waste Managed			
Rank	51	4	21
Pounds	3,847,899	427,383,423	431,231,322

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-41-7	Ammonia	1,357,961	35,796	5	250	0	1,394,012	0	0	0
67-56-1	Methanol	76,000	360	1	0	0	76,361	0	0	0
--	Nitrate compounds	0	49,000	250	0	0	49,250	0	0	0
108-88-3	Toluene	43,088	10	0	48	0	43,146	0	0	0
1330-20-7	Xylene (mixed isomers)	33,427	10	0	87	0	33,524	0	0	0
71-43-2	Benzene	21,781	10	0	16	0	21,807	0	0	0
110-54-3	n-Hexane	20,344	10	0	38	0	20,392	0	0	0
110-82-7	Cyclohexane	11,682	10	0	38	0	11,730	0	0	0
107-21-1	Ethylene glycol	620	8,900	0	5	0	9,525	0	0	0
100-41-4	Ethylbenzene	7,008	10	0	17	0	7,035	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Zinc compounds	55,147	1,500	21,000,000	267,584,909	0	288,641,556	0	0	0
--	Lead compounds	9,993	184	7,900,000	110,400,570	5	118,310,752	0	0	5
--	Cadmium compounds	2,942	19	100,000	5,777,698	0	5,880,659	0	0	0
--	Copper compounds	414	51	1,200,000	3,455,994	0	4,656,459	0	0	0
--	Manganese compounds	73,874	204	1,100,000	2,937,477	0	4,111,555	0	0	0
--	Barium compounds	342,986	25	1,900,000	1,400,000	0	3,643,011	0	0	0
--	Arsenic compounds	492	28	880,000	490,000	0	1,370,520	0	0	0
--	Chromium compounds	90	7	0	1,369,655	0	1,369,752	0	0	0
--	Antimony compounds	16	20	610,000	620,000	0	1,230,036	0	0	0
--	Nickel compounds	51	50	41,000	715,988	0	757,089	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	<u>Underground Injection</u>			<u>On-site Releases to Land</u>				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Alaska Nitrogen Prods. L.L.C., Kenai, Kenai Peninsula	1,416,775	92,260	0	256	0	255	1,509,546	0	0
Tesoro Alaska Co. - Kenai Refy., Kenai, Kenai Peninsula	125,268	1,831	0	0	0	322	127,421	0	0
Williams Alaska Petroleum Inc., North Pole, Fairbanks North Star	34,480	35	0	0	0	0	34,515	0	0
Petro Star Inc., North Pole, Fairbanks North Star	500	0	0	0	0	0	500	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Red Dog Operations - Mine Facility, Kotzebue, Northwest Arctic	460,684	1,162	0	0	0	373,299,000	373,760,846	0	5
Kennecott Greens Creek Mining Co., Juneau, Juneau	17,977	780	0	34,946,000	0	20,633,000	55,597,757	0	0
Fort Knox Mine, Fairbanks, Fairbanks North Star	14,073	0	0	0	0	1,419,781	1,433,854	0	0
Healy Power Plant, Healy, Denali	502,375	0	0	0	0	0	502,375	0	0
Kenai Pipeline Co. - Kpl Facility, Kenai, Kenai Peninsula	31,327	0	0	0	0	14	31,341	0	0
Red Dog Ops. - Port Facility, Kivalina, Northwest Arctic	10,567	153	0	0	0	589	11,309	0	0
Tesoro Alaska Co. - Anchorage Terminal, Anchorage, Anchorage	4,372	0	0	0	0	0	4,372	0	0
Williams Alaska Petroleum Inc. Anchorage Terminal, Anchorage, Anchorage	1,874	0	0	0	0	0	1,874	0	0
Chevron Prods. Co. Anchorage Terminal, Anchorage, Anchorage	1,353	1	0	0	0	0	1,354	0	0
Great Western Chemical Co. - Fairbanks, Fairbanks, Fairbanks North Star	500	0	0	0	0	0	500	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Alaska Nitrogen Prods. L.L.C., Kenai, Kenai Peninsula	0	1,600	450,000	0	1,565,200	0	1,434,660	3,451,460	20,000
Tesoro Alaska Co. - Kenai Refy., Kenai, Kenai Peninsula	165,693	0	0	0	31,433	69	127,083	324,278	310
Williams Alaska Petroleum Inc., North Pole, Fairbanks North Star	35,890	0	0	79	1,798	670	33,509	71,946	822
Petro Star Inc., North Pole, Fairbanks North Star	0	0	0	0	0	0	215	215	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Red Dog Operations - Mine Facility, Kotzebue, Northwest Arctic	248,477	0	0	0	0	0	369,230,000	369,478,477	0
Kennecott Greens Creek Mining Co., Juneau, Juneau	0	0	0	0	0	0	55,293,000	55,293,000	9
Fort Knox Mine, Fairbanks, Fairbanks North Star	0	49,921	0	0	41,631	9,330	1,422,114	1,522,996	9
Healy Power Plant, Healy, Denali	0	0	0	0	0	0	502,375	502,375	5
Kenai Pipeline Co. - Kpl Facility, Kenai, Kenai Peninsula	0	0	0	63	0	0	31,404	31,467	14
Red Dog Ops. - Port Facility, Kivalina, Northwest Arctic	512,800	0	0	0	0	0	11,764	524,564	0
Tesoro Alaska Co. - Anchorage Terminal, Anchorage, Anchorage	12,410	0	0	0	0	9	4,374	16,793	0
Williams Alaska Petroleum Inc. Anchorage Terminal, Anchorage, Anchorage	0	0	0	912	9,227	0	1,900	12,039	0
Chevron Prods. Co. Anchorage Terminal, Anchorage, Anchorage	0	0	0	0	0	0	1,319	1,319	0
Williams Alaska Petroleum Inc. Fairbanks Terminal, Fairbanks, Fairbanks North Star	0	0	0	23	0	47	140	210	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.